



## Operating Instructions

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### Preloaded Coated Filters Cat. No. 225-9018

SKC coated filters are shipped preloaded in cassettes with end plugs and shrink bands in place. No assembly is required; they are ready to use.

**Method & Chemical:** OSHA 1003 for phosphine

**Filter & Coating:**<sup>†</sup> One glass fiber filter (untreated) and one polyester filter treated with mercuric chloride loaded into a three-piece 37-mm cassette in closed-face sampling configuration

**Prior to Sampling:** Store at  $\leq 39.2$  F (4 C) for up to 3 months.

**Sample Stability:** Store samples at  $\leq 39.2$  F (4 C) or  $71.6$  F (22 C) for up to 17 days.

<sup>†</sup> Custom order due to very limited shelf-life.

**For information on other available  
coated filters, request SKC Publication 1219.**

## How to Use SKC Preloaded Coated Filters

1. Select one coated filter cassette for calibrating the flow rate. A red plug secures the inlet, which is clearly marked "inlet," and a blue plug secures the outlet. Set up the sampling train for calibration with the representative filter cassette in line. For "closed-face" sampling, remove the plugs and connect the cassette to the sampling train. For "open-face" sampling, remove the outlet plug and the cassette inlet section then connect the cassette to the sampling train. For details on setting up a sampling train, refer to the SKC Sample Setup Guide "Sampling Train - Filters and Cyclones" (SKC Publication 1166).
2. Calibrate the pump to the desired flow rate using a film flowmeter or calibrated precision rotameter. For details on calibrating a pump, refer to the SKC Sample Setup Guide "Calibrating a Pump Using a Film Flowmeter" (SKC Publication 1163).
3. Replace the cassette used for calibration with a fresh coated filter cassette for sample collection. Attach the cassette to a worker's collar, as close to the breathing zone as possible, by using a filter cassette holder (SKC Cat. No. 225-1). Sample for the specified time interval and record the time.
4. Remove the filter cassette at the end of the specified sampling period and replace both end plugs (and the inlet if necessary). Recheck the flow rate using the same cassette and flowmeter used for calibration in Step 2 to ensure that the flow rate has not changed by more than 5%.
5. See *Sample Stability on reverse side for sample storage*. Appropriately package samples, blanks, and all pertinent data to send to a lab for analysis. Expedite shipping of samples to laboratory. Friday shipments are not recommended.

### ***SKC Limited Warranty and Return Policy***

*SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.*

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